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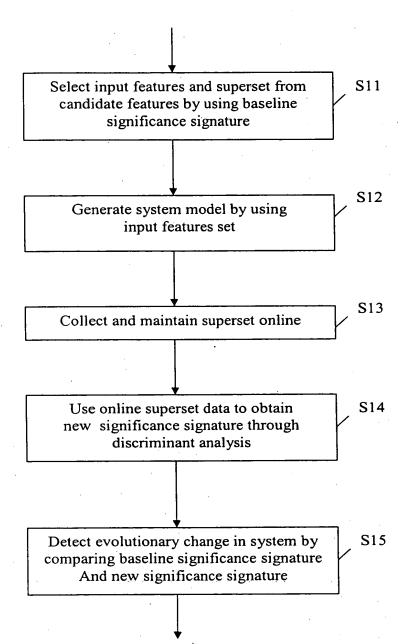
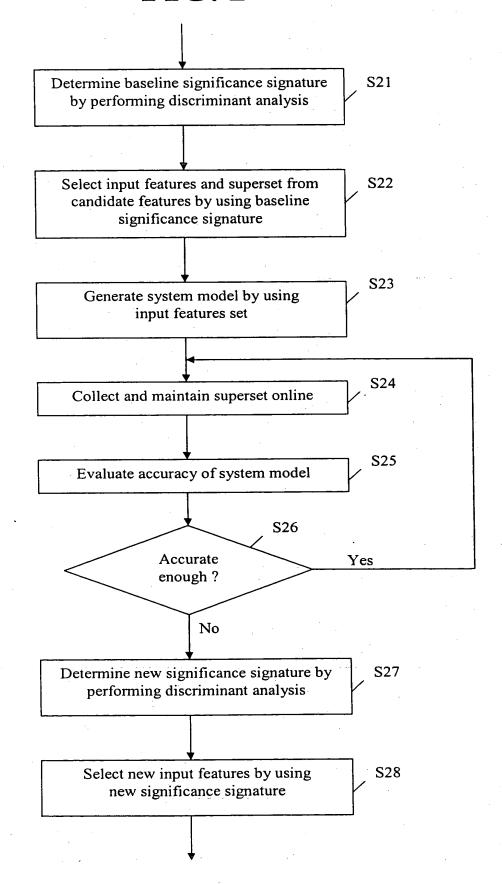
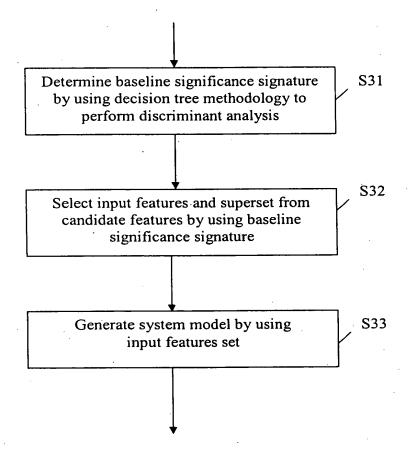


FIG. 2





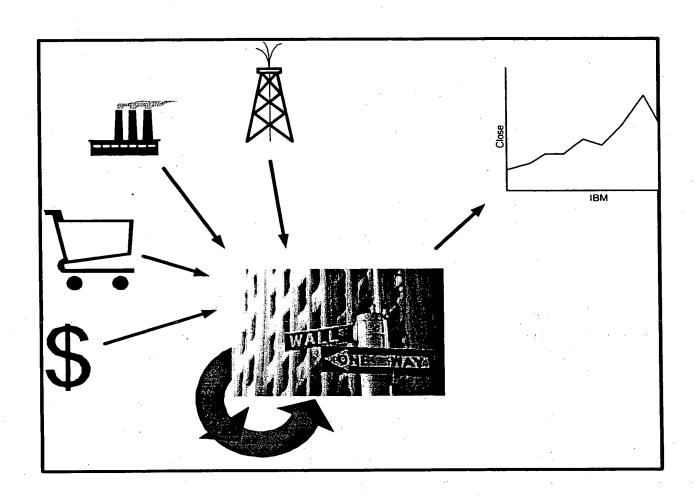


FIG. 4

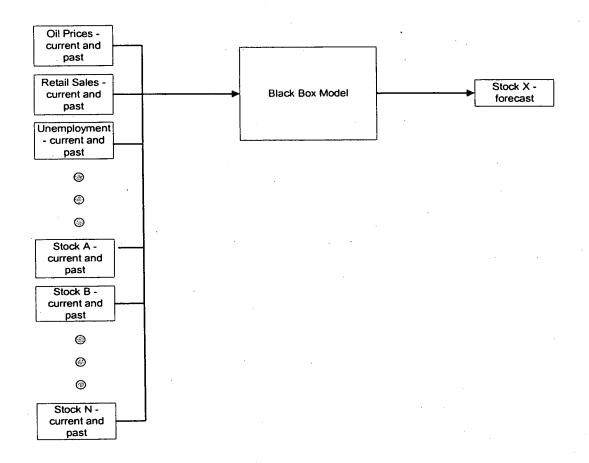


FIG. 5

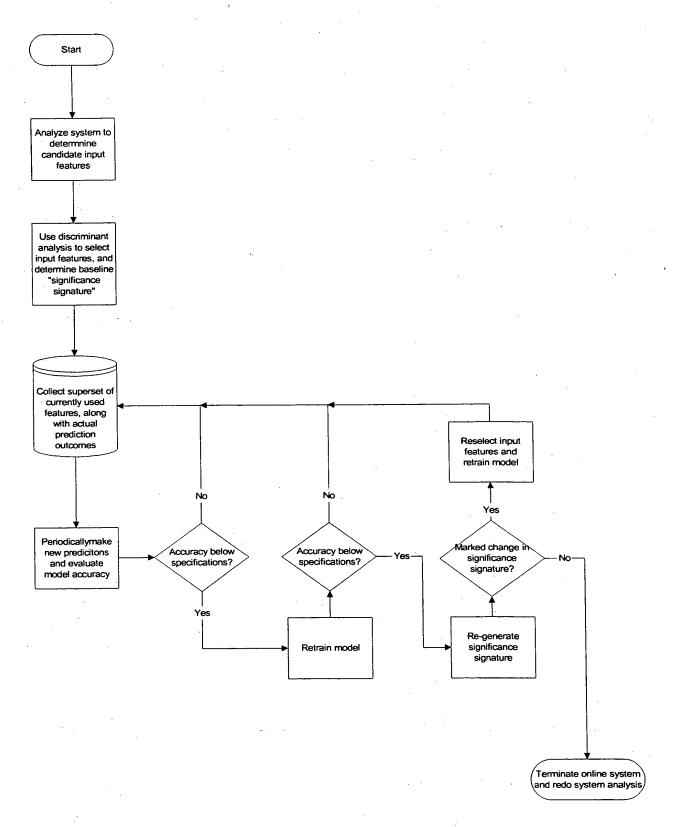
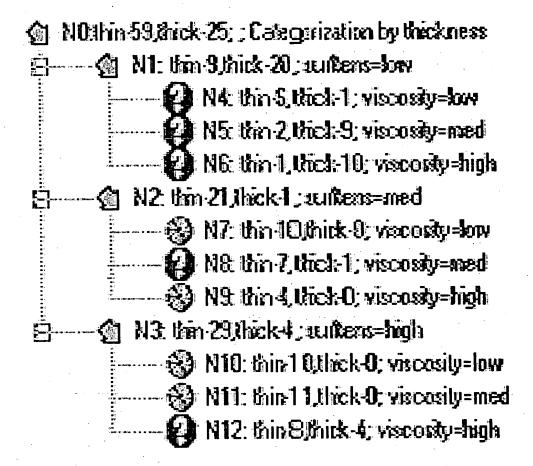


FIG. 6



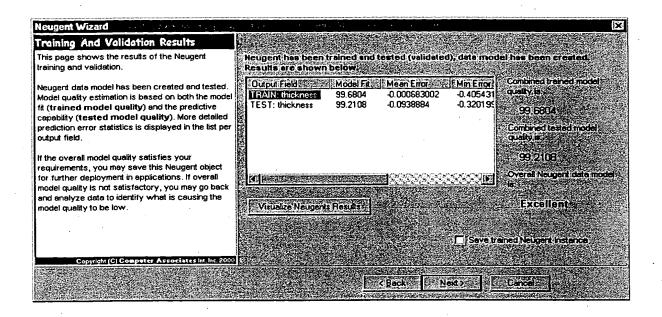
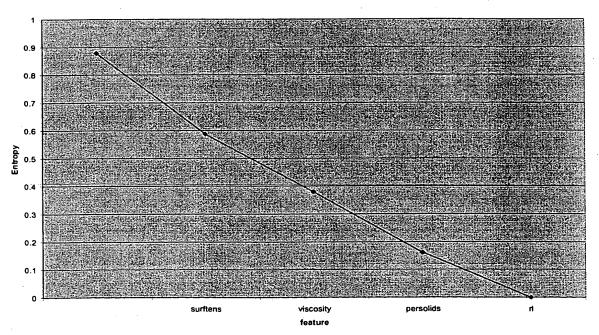
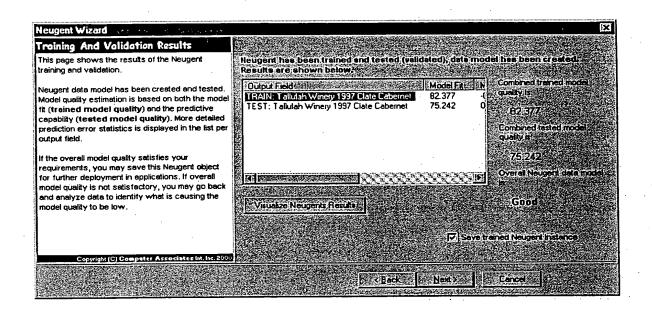
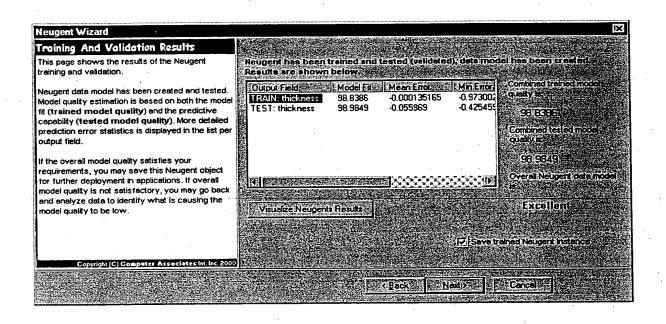


FIG. 9

Entropy reduction







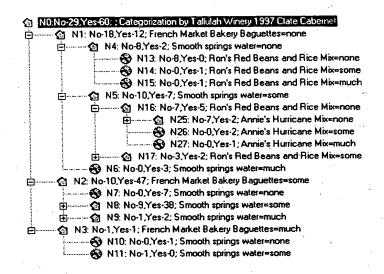


FIG. 13

Wine Example

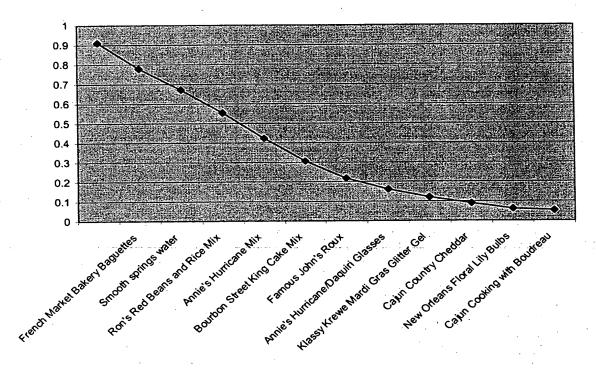


FIG 14

| N0:No-1144/Yes-1845; Categorization by SLA_Violation |
|--|
| N1: No-0,Yes-84; ExpireDayOfWeek=Sun |
| □ N2: No-178,Yes-419; ExpireDayOfWeek=Mon |
| 🕀 🐿 N8: No-46, Yes-280; Customer=BGI |
| ⊕ N9: No-58,Yes-66; Customer=SCl |
| N10: No-0,Yes-9; Customer=BIW |
| → M11: No-24,Yes-6; Customer=TTT |
| N12: No-0, Yes-29; Customer=MKO |
| → M14: No-10,Yes-3; Customer=PEL |
| |
| □ N3: No-61 Yes-345; ExpireDayOfWeek=tue |
| → N16: No-6, Yes-238; Customer=BGI |
| ⊕ N17: No-12,Yes-48; Customer=SCI |
| N19: No-24,Yes-0; Customer=TTT |
| • |
| □ N4: No-132,Yes-127; ExpireDayOfWeek=Wed |
| |
| N27: No-19,Yes-0; Customer=TTT |
| |
| |
| ⊕ N32: No-169,Yes-132; Customer=BGI |
| N33: No-24,Yes-12; Customer=SCI |
| N34: No-0,Yes-1; Customer=BIW |
| N35: No-0,Yes-3; Customer=TTT |
| |
| □ N6: No-507,Yes-512; ExpireDayOfWeek=Fri |
| ₩ N40: No-250,Yes-336; Customer=BGI |
| M41: No-67,Yes-96; Customer=SCI |
| N42: No-0,Yes-6; Customer=BIW |
| ⊕ N43: No-51,Yes-6; Customer=TTT |
| . |
| ⊕ |
| ⊕ N48: No-12,Yes-144; Customer=BGI |
| 11 2 11 10 12,103 144, Customor - Dur |

FIG. 15

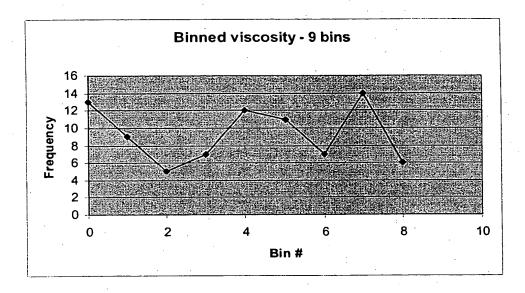


FIG. 16

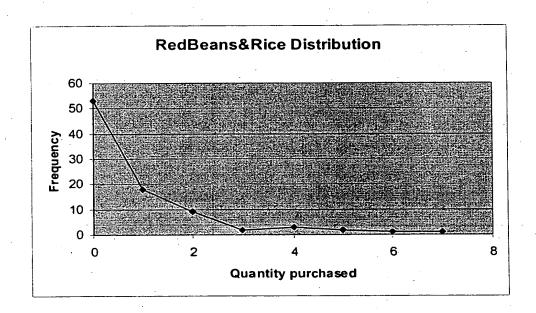


FIG. 17

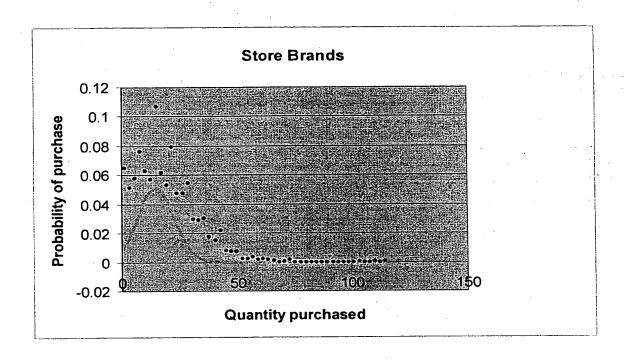
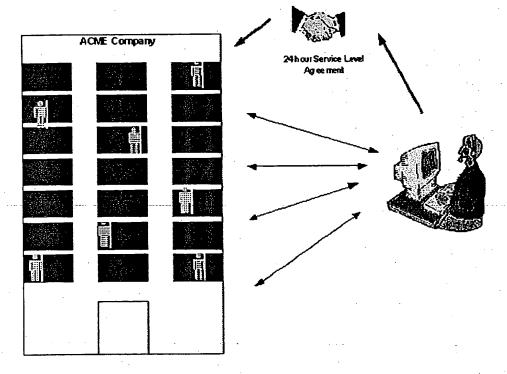


FIG. 18



Problem Codes influencing SLAs

Last Week

This Week

| 1 | Network |
|------|----------------------|
| 2 | PC PC |
| 3 . | Mainframe |
| 4 4 | Password |
| 5.0 | 型。Word Processing》編章 |
| 6 | |
| 7 | Dial-up |
| . 8 | Hardware |
| 9 | Email : |
| 10 5 | Software Upgrade |

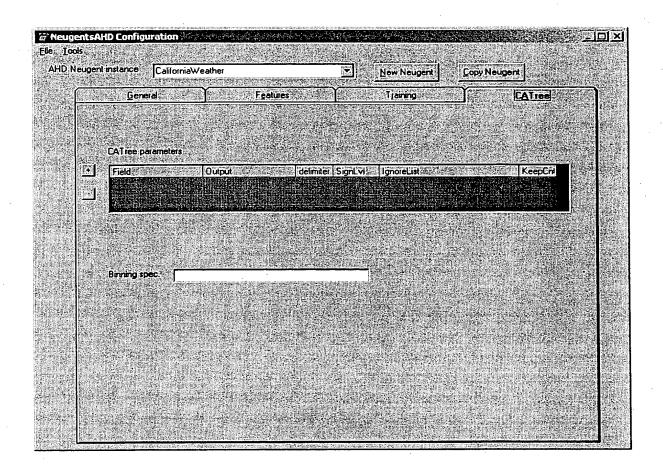


| 12.55 | PC (SEE |
|------------------|-------------------|
| 2 - 2 - 1 | Network: |
| 3.2 | Printer, |
| 4: | Software Upgrade: |
| 5/1-1-1 | Password Sale |
| . 6 | <u>Diakup</u> a |
| 7.7 | Spreadsheet: |
| 8 . | Hardware |
| 9 | Email |
| 10 | Word Processing |

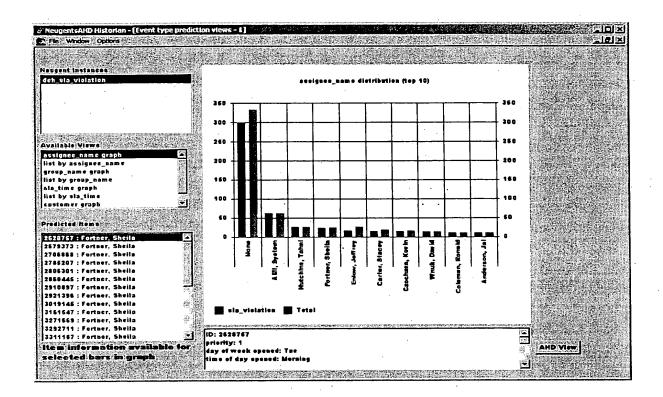
| <u>G</u> eneral | Y | Features | Tjaining | CATree: |
|----------------------|-------------|---|--|--|
| | | 11. 12. 12. 12. 12. 12. 12. 12. 12. 12. | | |
| Neugent Name | CallLeve | I_Site1 | Check interval (secs.) | 60 |
| Model Lead | 7 | Model Lag 7 | Sample interval (secs.) | 86400 |
| Minimum accuracy (X) | . loo | Use Historian . I✓ | Sample reference time Sample tolerance (secs.) | 2100 900 |
| | 90 | | Evaluate interval (secs.) | THE PERSON NAMED IN COLUMN 2 I |
| Missing lag action | , [0 | Run Historical Data | Evaluate reference time | |
| | 77. | | Evaluate tolerance (secs. | 1.0 |
| | | | | |
| Paltem Purge | | | Save interval (secs.) | 86400 |
| Time 2300 | 1000 | | Save reference time | [2130 |
| Conditions | 70 TO | | Save tolerance (sect.) | 900 |
| close_date | < \$SYSTEM_ | TIME\$ - 31536000 | | ्राप्त स |
| | | | | |

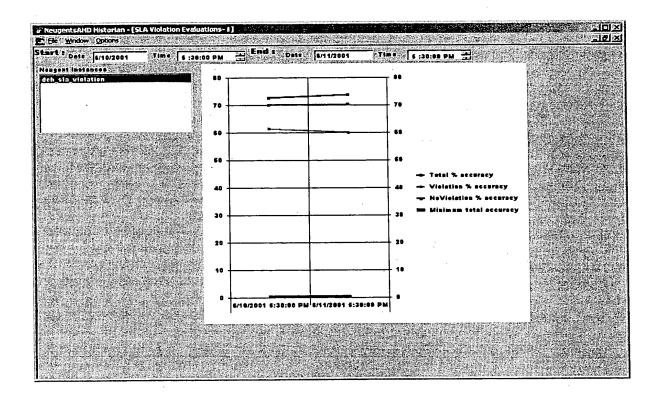
| | yezenie zwenie | Training (| CATieé' |
|-------------------------|---|---|--|
| <u>G</u> eneral | ∬ Fgatuies | I (entirity s | LE LE LEBOR |
| Feature Specification | Call:Opened | | New Feature Spec |
| Namespace | AHD_DB | Dutputs only | Delete Feature Spec |
| Feature names | SQL Statement | | |
| callsopened:Dout | select ["T" + \$5Y5TEM_1 where open_date > \$5Y5 | TIME\$) as LabelField, count(close TEM_TIME\$ - \$PATTERN_INTE | _date) as LalisUpened from chg RVAL\$ |
| | | | |
| Stored procedure | | e e e e e e e e e e e e e e e e e e e | |
| Stored procedure name | | Closure Conditions | IE\$ - \$PATTERN_INTERVAL\$ |
| Stored Procedure result | | | |
| Stored Procedure script | Sized Pr | ocedure parameters | |
| | Paramo | |] i kookup 🔲 🗀 |
| | | | Local key |
| | | | FeatureSpec doing lookup |
| | | | Foreign key |
| Pre-processing speci | rications | meters | |

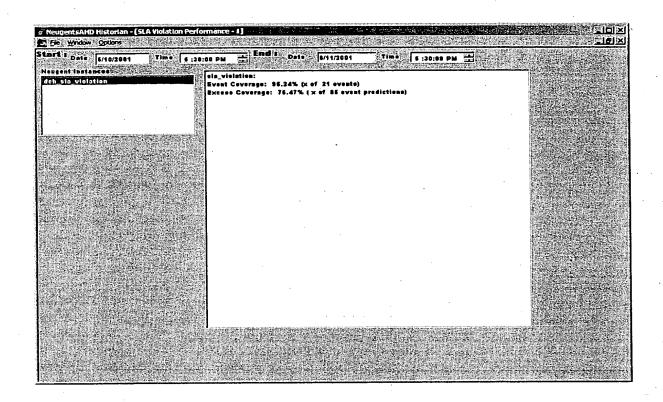
| AHD Neugert instance CaliforniaWeather Features Features CaliforniaWeather C | NeugentsAHD Configuration | | | | | |
|--|--|------------|---------------------------|-------------------------------------|-------------------------|--|
| Pattern label label Training pattern conditions | AHD Neugent instance CaliforniaWeathe | ır | ∀ | New Neugent | Copy Neugent | |
| Group Key region Stime_stamp\$ <= \$system_time\$ \ (26 " \$pattern_interval\$) Feature 12 | General | Features 2 | * Ý :: | Training : | CATIES | |
| Group Key region Stime_stamp\$ (= \$system_time\$ - [26 " \$pattern_interval\$) Model inputs Stime_stamp\$ (= \$system_time\$ - [26 " \$pattern_interval\$) | Pattern label label | | Training palt | ern conditions | | |
| Feature Lag Evaluation pattern conditions string | Group Key region | | | | | |
| temperature 12 Evaluation pattern conditions: string snorthcoastdrainage 0 scentral coastdrainage 0 string strange str | Model inputs | <u> </u> | \$time_stamp\$ | <= \$system_time\$ - [26 | " \$pattern_interval\$) | |
| rainfall 12 Evaluation pattern conditions: stiring | | Lag 🛕 | | | | |
| iscentral coast drainage | | | Evaluation p | attern conditions string | | |
| Model Outputs Feature Lead MirAcc Threshold Low Limit Hi Limit | iscentralcoastdrainage | | \$TIME_STAN \$PATTERN_ | (P\$ > \$SYSTEM_TIME INTERVAL\$) | \$ - {26 * | |
| Feature Lead MinAcc Threshold Low Limit Hi Limit temperature 3 90 40 140 tainfall 3 70 0 50 Event conditions | ALM NEW YORK TO SERVE AND THE | | | | | |
| Event conditions | the state of the s | Lead | | | | 2765520 2 3635530 |
| Evert conditions | temperature | | | | | The state of the s |
| | Toll Car | | | | | |
| | | | | | | |
| | | | | | | |
| Field Operator Value Temperature GT 70 LE 0 | Event conditions | | | | | |
| temperature U1 70 rainfall LE 0 | • Field | OLD HOLD | lue . | 70 | | |
| | rainfall | | | | | |
| | | | | | tanta a | |
| | | | | | | |

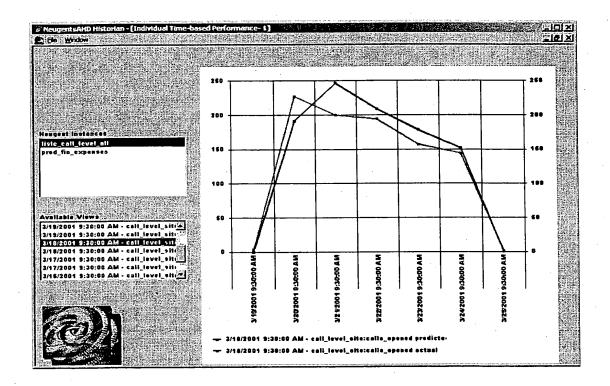


| AHD Connection Information | |
|---------------------------------|--------------|
| AHD Server Name | |
| | |
| AHD Server Address | |
| And Serval Access | |
| | |
| AHD Neugent Account | <u>D</u> one |
| neugentsahd | |
| AHD Neugent Password | Cancel |
| ×××××× | |
| AHDLocalStore | |
| NAHD_LOCAL_STORE/neugentsa | |
| MATTO_EOCAL_STOTILE/ineagetisea | |
| Local Store Filename | |
| NeugM0.lst | |
| Local Store Directory | |
| d:\neugahd | |
| Historian Data Source | |
| ahd_local_store.mdb | |
| | |









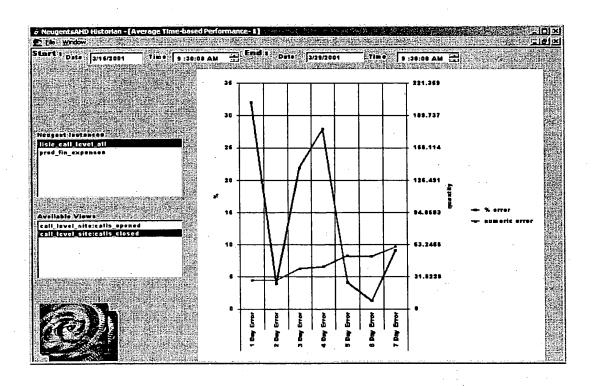
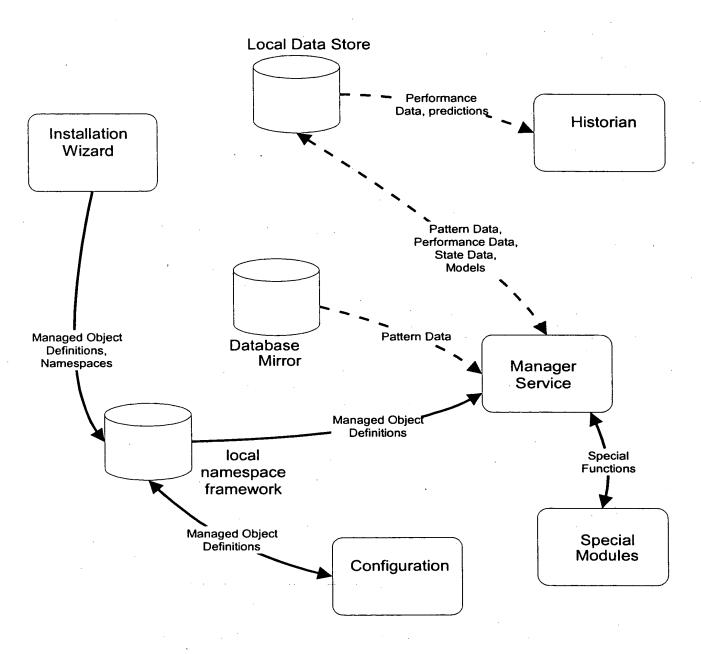


FIG 30



Although all data connections will actually be through the local Jasmine Framework, the dotted line indicates the abstract path to the data

